

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5661645".pn.	US-PGPUB; USPAT	OR	ON	2007/11/15 13:19
L2	1	"6953263".pn.	US-PGPUB; USPAT	OR	ON	2007/11/15 13:22
L3	488	(prohibit\$4 or stop\$4 or block\$3 or forbid\$4 or inhibit\$4 or obstruct\$3 or restrict\$3 or prevent\$3) with led with scan\$4	US-PGPUB; USPAT	OR	ON	2007/11/15 14:09
L4	125	3 and ((current or voltage) with compar\$3)	US-PGPUB; USPAT	OR	ON	2007/11/15 13:25
L5	227	faulty adj3 LED	US-PGPUB; USPAT	OR	ON	2007/11/15 14:10
L6	2	4 and 5	US-PGPUB; USPAT	OR	ON	2007/11/15 14:38
L7	0	("2005/0174420").URPN.	USPAT	OR	ON	2007/11/15 14:09
L8	4	3 and 5	US-PGPUB; USPAT	OR	ON	2007/11/15 14:11
L9	327	faulty adj3 (LED or diode)	US-PGPUB; USPAT	OR	ON	2007/11/15 14:37
L10	4	3 and 9	US-PGPUB; USPAT	OR	ON	2007/11/15 14:11
L11	125	4 and LED	US-PGPUB; USPAT	OR	ON	2007/11/15 14:13
L12	488	3 and LED	US-PGPUB; USPAT	OR	ON	2007/11/15 14:13
L13	468	(faulty or bad) adj3 (LED or diode)	US-PGPUB; USPAT	OR	ON	2007/11/15 14:37
L14	2	4 and 13	US-PGPUB; USPAT	OR	ON	2007/11/15 14:38
L15	4	3 and 13	US-PGPUB; USPAT	OR	ON	2007/11/15 14:38
L16	48	13 and (detect\$3 near3 current)	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:02
L17	39	16 and (scan\$4 or read\$3)	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:16
L18	261	348/246.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:02
L19	375	(faulty or bad) with (light adj source)	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:17
L20	5	19 and (scan\$4 near6 disabl\$3)	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:22

## EAST Search History

Interference Search

Inventor Search

L21	6	sugeta-mitsuhiro.in.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:22
L22	0	((led or (light adj emit\$4 adj diode)) same array same (current adj detect\$3) same determin\$3 same threshold same prohibit\$3 same permi\$5 same scan\$4).clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:25
L23	0	((led or (light adj emit\$4 adj diode)) same array same (current adj detect\$3) same determin\$3 same threshold same scan\$4).clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:26
L24	0	((led or (light adj emit\$4 adj diode)) same array same (current adj detect\$3) same determin\$3 same scan\$4).clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:26
L25	0	((led or (light adj emit\$4 adj diode)) same (current adj detect\$3) same determin\$3 same scan\$4).clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:26
S1	3492	scanner with ((light emitt\$3 diode) or led)	US-PGPUB; USPAT	ADJ	ON	2007/11/13 09:16
S2	3	S1 same (detect\$3 near3 current)	US-PGPUB; USPAT	ADJ	ON	2007/11/15 15:01
S3	168	S1 and(detect\$3 near3 current)	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:48
S4	168	S1 and (detect\$3 near3 current)	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:48
S5	11682	scan\$4 with ((light emitt\$3 diode) or led)	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:53
S6	40	S5 same (detect\$3 near3 current)	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:54
S7	366491	led or (light emit\$4) same (faulty or defective or broken or damaged or flawed)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:02
S8	69755	(multiple of plural\$3 or several) with (block or chip)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:01
S9	316562	(multiple or plural\$3 or several) with (block or chip)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:02
S10	17190	(multiple or plural\$3 or several) with (block or chip) with parallel	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:03
S11	224	S7 same S10	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:31

## EAST Search History

S12	44263	(prohibit\$3 or prevent\$3 or inhibit\$3 or stop\$4) same ((determin\$3 or detect\$3 or decid\$3 or discriminat\$3) with (voltage or current)) same (compar\$6 or predetermin\$3 or specif\$3 or threshold or greater or less or smaller or larger or higher or lower or exceed\$3)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:35
S13	11	S11 and S12	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:08
S14	595	358/475.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:30
S15	236	S14 and S7	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:09
S16	3	S14 and S11	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:10
S17	35	S15 and S9	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:11
S18	448	358/509.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:37
S19	172	S18 and S7	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:38
S20	28	S19 and S9	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:31
S21	2084	362/800.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:38
S22	1811	S21 and S7	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:38
S23	21	S21 and S11	US-PGPUB; USPAT	ADJ	ON	2007/06/20 10:38
S24	1798	S7 and S10	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:17
S25	208	S24 and S12	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:22
S26	178	S25 and scan\$4	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:22
S27	79	S11 and scan\$4	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:29
S28	13400	(led or (light emit\$4)) same (faulty or defective or broken or damaged or flawed)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:30
S29	6	S28 same S10	US-PGPUB; USPAT	ADJ	ON	2007/06/20 11:32
S30	247	S28 and S10	US-PGPUB; USPAT	ADJ	ON	2007/06/20 12:01

## EAST Search History

S31	635	S28 and S12	US-PGPUB; USPAT	ADJ	ON	2007/06/20 12:02
S32	3	S28 and S13	US-PGPUB; USPAT	ADJ	ON	2007/06/20 12:02
S33	1	10/601,678	US-PGPUB; USPAT	OR	ON	2007/06/20 13:24
S34	23453	(led or (light emit\$4)) same (faulty or defective or broken or damaged or flawed or failure)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:02
S35	100	scan\$4 with ((light emit\$4) or led) with (faulty or defective or broken or damaged or flawed or failure)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:04
S36	73	S35 and (prohibit\$3 or prevent\$3 or inhibit\$3 or stop\$4)	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:12
S37	378101	(prohibit\$3 or prevent\$3 or inhibit\$3 or stop\$4) same read\$3	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:36
S38	90881	(prohibit\$3 or prevent\$3 or inhibit\$3 or stop\$4) near7 read\$3	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:36
S39	8	S35 and S38	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:44
S40	959	S34 and S38	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:45
S41	45	S34 same S38	US-PGPUB; USPAT	ADJ	ON	2007/06/20 14:45
S42	2446	intensity with led with current	US-PGPUB; USPAT	ADJ	ON	2007/11/13 09:16
S43	61	intensity with led with (detect\$3 near4 current)	US-PGPUB; USPAT	ADJ	ON	2007/11/13 10:47
S44	695	S42 and scan\$4	US-PGPUB; USPAT	ADJ	ON	2007/11/13 10:47
S45	524	led with fail\$4 with current	US-PGPUB; USPAT	ADJ	ON	2007/11/13 10:47
S46	1231	led with (detect\$3 near4 current)	US-PGPUB; USPAT	ADJ	ON	2007/11/13 10:47
S47	50	S45 and S46	US-PGPUB; USPAT	ADJ	ON	2007/11/13 12:58
S48	8	S44 and S45	US-PGPUB; USPAT	ADJ	ON	2007/11/13 12:59